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<input type="checkbox"/>	L3	L2 and (methio\$4 same reducta\$4 same synth\$4)	8
<input type="checkbox"/>	L2	(gravel or rozen or leclerc or wilson or rosenblatt).in.	21389
<input type="checkbox"/>	L1	(mammal\$4 same methio\$4 same reducta\$4 same synthas\$4).clm.	3

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Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20050191701 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 8

File: PGPB

Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050191701

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050191701 A1

TITLE: Human methionine synthase reductase: cloning, and methods for evaluating risk of neural tube defects, cardiovascular disease, cancer and Down's Syndrome

PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Gravel</u> , Roy A.	Calgary		CA
<u>Rozen</u> , Rima	Montreal West		CA
<u>Leclerc</u> , Daniel	Montreal		CA
<u>Wilson</u> , Aaron	Calgary		CA
<u>Rosenblatt</u> , David	Montreal		CA

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 2. Document ID: US 20040073018 A1

L3: Entry 2 of 8

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040073018

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040073018 A1

TITLE: Human methionine synthase: cloning, and methods for evaluating risk of neural tube defects, cardiovascular disease, and cancer

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Gravel</u> , Roy A.	Westmont		CA

<u>Rozen</u> , Rima	Montreal West	CA
<u>LeClerc</u> , Daniel	Montreal	CA
Goyette, Philippe	Montreal	CA
Campeau, Eric	Montreal	CA

US-CL-CURRENT: 536/23.2; 435/193, 435/320.1, 435/325, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20030082676 A1

L3: Entry 3 of 8

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082676

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030082676 A1

TITLE: HUMAN METHIONINE SYNTHASE REDUCTASE: CLONING, AND METHODS FOR EVALUATING RISK OF NEURAL TUBE DEFECTS, CARDIOVASCULAR DISEASE, AND CANCER

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>GRAVEL</u> , ROY A.	CALGARY		CA
<u>ROZEN</u> , RIMA	MONTREAL WEST		CA
<u>LECLERC</u> , DANIEL	MONTREAL		CA
<u>WILSON</u> , AARON	MONTREAL		CA
<u>ROSENBLATT</u> , DAVID	MONTREAL		CA

US-CL-CURRENT: 435/69.1; 435/191, 435/320.1, 435/325, 435/6, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 6833243 B2

L3: Entry 4 of 8

File: USPT

Dec 21, 2004

US-PAT-NO: 6833243

DOCUMENT-IDENTIFIER: US 6833243 B2

TITLE: Methods for selecting a therapy for a subject suffering from schizophrenia

DATE-ISSUED: December 21, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Rozen</u> ; Rima	Montreal West			CA

US-CL-CURRENT: 435/6; 536/23.1, 536/23.5, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 6703197 B1

L3: Entry 5 of 8

File: USPT

Mar 9, 2004

US-PAT-NO: 6703197

DOCUMENT-IDENTIFIER: US 6703197 B1

TITLE: Human methionine synthase: cloning, and methods for evaluating risk of neural tube defects, cardiovascular disease, and cancer

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Gravel</u> ; Roy A.	Westmont			CA
<u>Rozen</u> ; Rima	Montreal West			CA
<u>LeClerc</u> ; Daniel	Montreal			CA
Goyette; Philippe	Montreal			CA
Campeau; Eric	Montreal			CA

US-CL-CURRENT: 435/6; 536/23.1, 536/23.5, 536/24.3, 536/24.31, 536/24.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 6566065 B1

L3: Entry 6 of 8

File: USPT

May 20, 2003

US-PAT-NO: 6566065

DOCUMENT-IDENTIFIER: US 6566065 B1

TITLE: Method of diagnosing schizophrenia by detecting a mutation in the (MTHFR) gene

DATE-ISSUED: May 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Rozen</u> ; Rima	Montreal West			CA

US-CL-CURRENT: 435/6; 435/91.2, 536/23.7, 536/24.31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 7. Document ID: US 6528259 B1

L3: Entry 7 of 8

File: USPT

Mar 4, 2003

US-PAT-NO: 6528259

DOCUMENT-IDENTIFIER: US 6528259 B1

TITLE: Methods for detecting human methylenetetrahydrofolate reductase allelic variants

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Rozen</u> ; Rima	Montreal West			CA
Goyette; Philippe	Montreal			CA

US-CL-CURRENT: 435/6; 435/23, 435/91.2, 514/1, 514/2, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 8. Document ID: US 6218120 B1

L3: Entry 8 of 8

File: USPT

Apr 17, 2001

US-PAT-NO: 6218120

DOCUMENT-IDENTIFIER: US 6218120 B1

**** See image for Certificate of Correction ****

TITLE: Methods for detecting human methylene tetrahydrofolate reductase allelic variants

DATE-ISSUED: April 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Rozen</u> ; Rima	Montreal			CA
Goyette; Philippe	Montreal			CA

US-CL-CURRENT: 435/6; 435/91.2, 536/23.2, 536/23.5, 536/24.31, 536/24.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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L2 and (methio\$4 same reducta\$4 same synth\$4)

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NiceZyme View of ENZYME: EC 1.16.1.8

Official Name

[Methionine synthase] reductase.

Alternative Name(s)

[Methionine synthase]-cobalamin methyltransferase (cob(II)alamin reducing).

Methionine synthase cob(II)alamin reductase (methylating).

Methionine synthase reductase.

Reaction catalysed

2 [methionine synthase]-methylcob(I)alamin + 2 S-adenosylhomocysteine + NADP(+) <=> 2 [methionine synthase]-cob(II)alamin + NADPH + 2 S-adenosyl-L-methionine

Cofactor(s)

FAD; FMN.

Comment(s)

- The substrate of the enzyme is the inactivated [Co(II)] form of EC 2.1.1.13.
- Electrons are transferred from NADPH to FAD to FMN.
- Formerly EC 2.1.1.135.

Human Genetic Disease(s)

Methylcobalamin deficiency type E (cblE) MIM:236270

Cross-references

BRENDA 1.16.1.8

PUMA2 1.16.1.8

PRIAM enzyme-specific profiles 1.16.1.8

Kyoto University LIGAND chemical database 1.16.1.8

IUBMB Enzyme Nomenclature 1.16.1.8

IntEnz 1.16.1.8

MEDLINE Find literature relating to 1.16.1.8

UniProtKB/Swiss-Prot Q17574, MTRR_CAEEL; Q9UBK8, MTRR_HUMAN;

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